

REMARKS**I. Status of the Claims:**

Claims 23-25, 27-30, 32-35 and 37 are pending in the application.

By the Amendment, claims 23, 27, 28, 32, 33 and 37 have been amended. No new matter has been introduced by this Amendment. Entry and consideration of the Amendment are requested.

Upon entry of this Amendment, claims 23-25, 27-30, 32-35 and 37 would still be pending.

II. Claim Rejections - 35 U.S.C. § 112, ¶2:

Claims 27, 32 and 37 are rejected under 35 U.S.C. § 112 second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 27, 32 and 37 have been amended to replace the reference to the “same client” with --the other of the first and second clients--. Thus, reconsideration and withdrawal of this rejection of the claims are respectfully requested.

III. Claim Rejections - 35 U.S.C. § 103:

Claims 23-24, 27-29, 32-34 and 37 are rejected under 35 U.S.C. § 103(a) as being un patentable over Nam et al. (U.S. Patent No. 6,138,163) in view of Brady et al. (U.S. Patent No. 5,808,607) and further in view of Guedalia (U.S. 6,536,043). Claims 25, 30 and 35 are rejected under 35 U.S.C. § 103(a) as being un-patentable over Nam-Brady-Guedalia in view of Segur (U.S. Patent No. 6,212,550).

Claim 23 is directed to a relay apparatus to deliver live video stream from a server having an image sensing device (e.g., a video camera) to clients via network.

In general, when a client receives live video and displays the received live video, the client repeats requesting, receiving and displaying a frame of the live video. However, the interval of the requests from the client is dependent upon the traffic of the network or the performance of the client. The intervals of requests from a plurality of clients thus may not be the same.

According to the claim, if the deliver device receives the requests each from a first client and a second client different from the first client within the predetermined period and the connection between one of the clients, and the server has been established, the deliver device delivers the same video data of the live video stream data to the first and second clients without starting a new connection between the relay apparatus and the server.

On the other hand, if the reception of requests from the first and the second clients exceeds the predetermined period, the connection management device requests the server to send the new video data to deliver the live video stream (see e.g., step S911 of Fig. 9).

Therefore, the claimed relay apparatus can provide live video stream to a plurality of clients even if the intervals of the plurality of clients are different from each other and the relay apparatus can minimize the traffic between the relay apparatus and the server.

On the contrary, the cited reference, individually or in combination, do not teach or suggest determining whether or not the deliver device receives the requests each from a first client and a second client different from the first client within the predetermined

period, and according to the determination, delivering the same video data of the live video stream data to the clients or requesting the server to send the new video data of the live video stream data.

In view of the foregoing, claim 23 and its dependent claims are believed to be distinguishable over the cited references. For similar reasons, claims 28 and 33 and their dependent claims are also believed to be distinguishable over the cited references.

CONCLUSION


Based on the foregoing remarks, the Applicants respectfully request reconsideration and withdrawal of the rejection of claims and allowance of this application.

AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may be required for consideration of this Amendment to Deposit Account No. 13-4500, Order No. 1232-4473US1.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 13-4500, Order No. 1232-4473US1.

Respectfully submitted,
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